

Tiandy



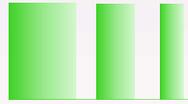
# NVR debug method

---

你我天地 共創偉業

---

# Tiandy



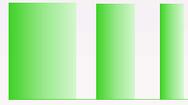
## NVR adjustment

### How to install the HDD.

1. Unscrew the screws on the back and sides of the chassis and remove the cover of the chassis.
2. Connect one end of the hard disk data cable to the SATA port on the NVR motherboard and the other end to the hard disk.
3. Connect the hard disk power cord to the SATA connector on the NVR motherboard and the other end to the hard disk.
4. Secure the hard disk screws on the bottom of the NVR chassis, cover the upper cover of the chassis, and fasten it with screws.



# Tiandy



NVR

adjustment

How to install the HDD.

1. Unscrew the back of the chassis, remove the cover, and secure the hard disk drive to the chassis hard drive bracket
2. Connect one end of the hard disk data cable to the SATA port of the NVR motherboard and the other end to the hard disk.
3. Connect the power cable to the hard disk, cover the top cover of the chassis, and fasten it with screws.

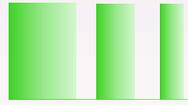


### How to install the HDD.

1, Install the hard disk fixing screws and insert the corresponding hard disk slots on the front panel.

2, push the hard disk into the corresponding hard disk slot, close the front panel.





The first time using NVR, don't know how to operate?

**Use Boot Wizard !**

NVR complicated function settings become simple, very fast!



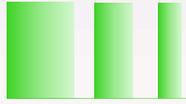
## Guide finished

Config guide is finished, please press [Finish] button to quit, or press [Back] button to re-config.

No need for guide again.

Back

Finish



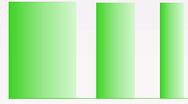
### NVR Network card configuration

**Network card 1 configuration**

**Network card 2 configuration**

**Network card 3 configuration**





- **Network card 1 configuration**

Obtain IP address automatically

Obtain an IP address from DHCP in the network automatically.

Manually obtain the IP address

Need to specify the device's IP address, subnet mask, gateway and other information. Click the "Apply" button.



System Setting

Network card PPPOE Permission Register Center DDNS FTP Email SIP UPNP Web Service

General Setting

Network Setting

Disk Management

Hot-spare Setting

Configuration

Log Management

Maintainance

Information

Other Setting

Polymerization Option Multiple access mode >

Network card number Network card1 >

MAC address 00:50:c2:54:8e:4f

Auto Get IP Address

Manual Setting IP Address

IP Address 10 .30 .10 .116

SubnetMask 255.255.255.0

Gateway 10 .30 .10 .1

Manual Setting DNS

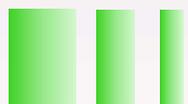
Preferred DNS 10 .10 .10 .5

Reserved DNS 10 .10 .10 .22

MTU MTU (bytes) 1500

Apply Back





System Setting

Network card PPPOE Permission Register Center DDNS FTP Email SIP UPNP Web Service

General Setting

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# System Setting

Network card

PPPOE

Permission

DDNS

FTP

Email

UPNP

Web Service

General Setting

Network Setting

Disk Management

Configuration

Log Management

Maintainance

Information

Other Setting

Polymerization Option

Multiple access mode



Network card

PSENetwork card



MAC address

00:50:c2:28:10:01

Auto Get IP Address

Manual Setting IP Address

IP Address

192.168.3 .2

SubnetMask

255.255.255.0

Gateway

192.168.3 .1

Manual Setting DNS

Preferred DNS

192.168.3 .1

Reserved DNS

192.168.3 .1

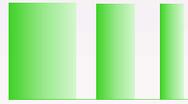
MTU (bytes)

1500

Apply

Back





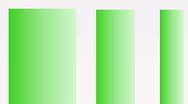
How NVR adds digital channels

One key add

Search to add

Add manually





One key add

Auto search inside the network camera added to the digital channel

Cameras

Basic Configuration | Config | IPC Central Management

Channels

Stream Setting

Video Setting

OSD

Motion

Mask Alarm

Alarm Input

Video Loss

PTZ Setting

<input type="checkbox"/>	IP Address	Modify IP	Added	Device	Protocol	Channel
<input type="checkbox"/>						

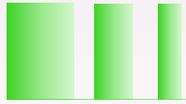
Search Add Manual Add **Quick Add** Advanced Display Private Protocol >

Added Devices  Channel Code

<input type="checkbox"/>	Channel	Name	Connect St...	Password S...	Edit	Delete	Enable	Attribute	Protocol
<input type="checkbox"/>	01	Channel 1		Risk password				10.30.10.31 : 01	Private
<input type="checkbox"/>	02	123		Risk password				10.30.10.32 : 01	Private

Delete Enable Disable

Bandwidth Remain 197.5Mb  Bandwidth Balance Back



Search to add

Cameras

Basic Configuration Config IPC Central Management

Channels

Stream Setting

Video Setting

OSD

Motion

Mask Alarm

Alarm Input

Video Loss

PTZ Setting

<input type="checkbox"/>	IP Address	Modify IP	Added	Device	Protocol	Channel
<input type="checkbox"/>	10.30.10.31		✓	IPC	Private	1
<input type="checkbox"/>	10.30.10.32		✓	IPC	Private	1
<input type="checkbox"/>	10.30.10.38			IPC	Private	1
<input type="checkbox"/>	192.168.1.4			IPC	Private	1

Search Add Manual Add Quick Add Advanced Display All

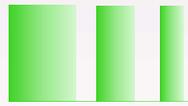
Added Devices  Channel Code

<input type="checkbox"/>	Channel	Name	Connect St...	Password S...	Edit	Delete	Enable	Attribute	Protocol
<input type="checkbox"/>	01	6666		Risk password		✗	✓	10.30.10.31 : 01	Private
<input type="checkbox"/>	02	123		Risk password		✗	✓	10.30.10.32 : 01	Private

Delete Enable Disable

Bandwidth Remain 197.5Mb  Bandwidth Balance Back





Add manually

01/01 09:47:50  
通道管理

2017/01/01 09:48:54

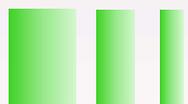
服务器搜索

IP地址	设备类型	协议类型	通道号
192.168.17.10	IPC	私有协议	1
192.168.17.19	IPC	私有协议	1
192.168.17.50	IPC	私有协议	1
192.168.17.95		ONVIF	1
192.168.17.97		ONVIF	1
192.168.17.119	IPC	私有协议	1
192.168.17.121	IPC	私有协议	1

IP地址: 192.168.17.10  
帐号: Admin  
密码: \*\*\*\*

搜索 添加 手动添加 显示筛选 全部 返回

4  
8  
12



Manual add other brand camera

Digital Channel

Channel No.	[03]Channel 3 >	State	<input checked="" type="checkbox"/> Enable
Add Method	Manual Add >	Device Type	Private Protocol >
Connect mode	IP >	Device Address	0.0.0.0
Proxy IP		Port No.	3000
Device Channel	01 >	User	Admin
Stream	Mainstream >	Password	****
Decryption			

Smart Adding

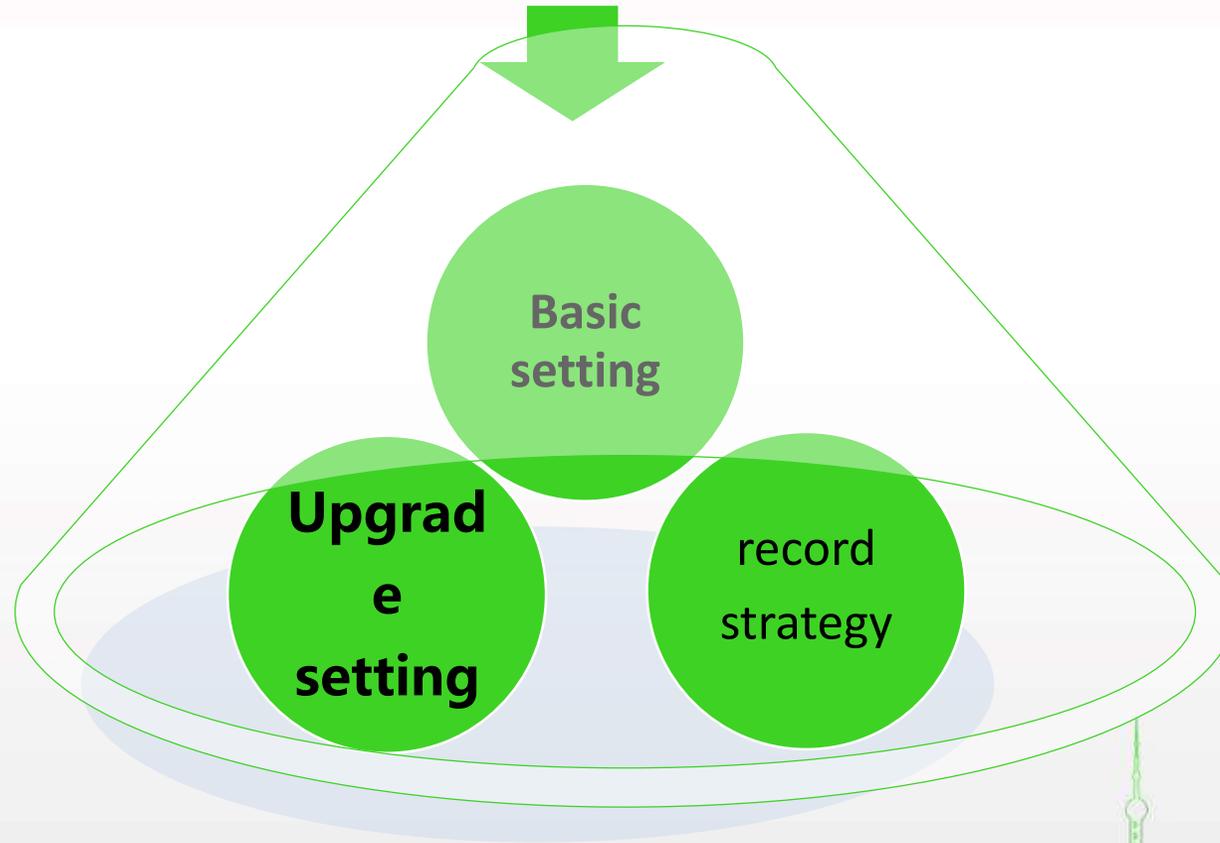
<input type="checkbox"/> IP address ascending	Target Channel	01 >	—	32 >
<input type="checkbox"/> Channel number ascending		Batch Adding		

Bandwidth Remain 197.5Mb

Confirm Cancel



## NVR record setting



### Basic setting

Set the video channel, select whether to record audio, video type, recording time, pre-recorded delay time, video stream and other parameters. Video duration can be saved by day, 0 means do not limit the number of days saved

Recording Setting

Basic Advanced Holiday Plan

Recording

Parameter

Diskgroup Allocation

Manual Record

Snapshot Setting

Rebuild Index

Channel [01]6666 >  Audio Recording  Redundant  I-frame Record

	00	06	12	18	24
Sun	Blue	Blue	Blue	Blue	Blue
Mon	Blue	Blue	Blue	Blue	Blue
Tue	Blue	Blue	Blue	Blue	Blue
Wed	Blue	Blue	Blue	Blue	Blue
Thu	Blue	Blue	Blue	Blue	Blue
Fri	Blue	Blue	Blue	Blue	Blue
Sat	Blue	Blue	Blue	Blue	Blue

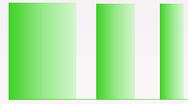
Legend:

- Schedule
- Port Alarm
- Motion
- Video Loss
- Video Mask
- Motion/Port
- Motion&Port
- Cancel

PreRecord(s) 10 > PostRecord(s) 10 >

Dwell (days) 0 > StreamType Mainstream >

Copy To All >



### Upgrade setting

Set channel for recording, whether to enable ANR function, pre-record delay time, record time period, record type and other parameters

Recording Setting

Basic | Advanced | Holiday Plan

Recording

Parameter

Diskgroup Allocation

Manual Record

Snapshot Setting

Rebuild Index

Channel [01]6666 >  Enable ANR

Date Sun >

PreRecord(s) 10 >

PostRecord(s) 10 >

Time	Record Type	Schedule Template
<input checked="" type="checkbox"/> 00:00 - 23:59	Schedule >	Default >
<input type="checkbox"/> 00:00 - 00:00	Port Alarm >	Default >
<input type="checkbox"/> 00:00 - 00:00	Port Alarm >	Default >
<input type="checkbox"/> 00:00 - 00:00	Port Alarm >	Default >

Copy To

Channel All > Date Whole Week >



### Record strategy

Set the video  
packaging method  
and the lack of disk  
space when the  
system processing

Recording Setting

Recording

Parameter

Diskgroup Allocation

Manual Record

Snapshot Setting

Rebuild Index

VIDEO

Filename Extension: sdv

File Packing Mode

- Pack By Size: 1.0G
- Pack By Time: 10 Mins

Not Enough Disk Capacity

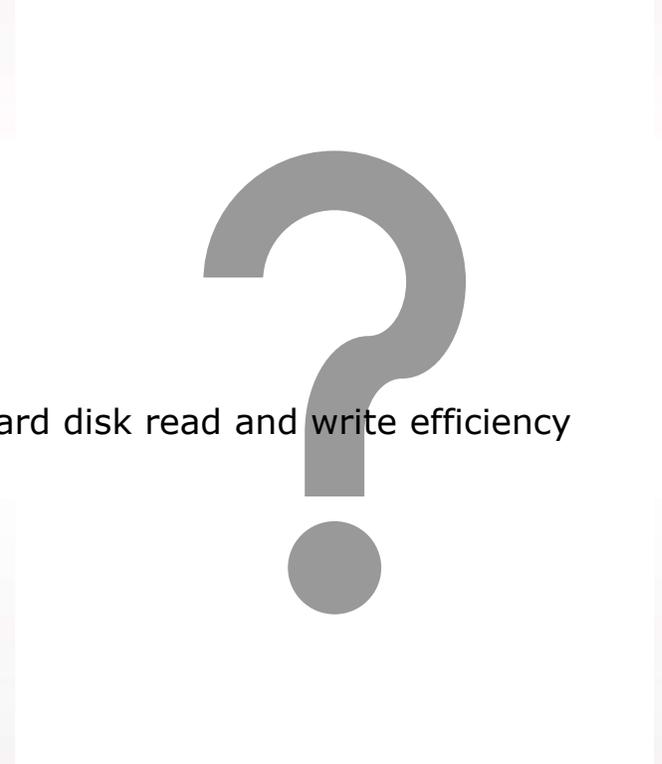
- Overwrite File
- Delete Non-alarm Record
- Stop Recording

Apply Back



### Disk group settings

The performance of the disk itself limits the speed of writing, how to improve the hard disk read and write efficiency



Disk Group: The hard disk attached to the NVR is divided into multiple disk groups. You can specify the disk group of the video files for each channel.



# Recording Setting

Recording

Parameter

Diskgroup Allocation

Manual Record

Snapshot Setting

Rebuild Index

Mode Selection

Disk Group



Disk Group

01



Select All Disks

- |  |                             |  |                             |  |                             |  |                             |
|--|-----------------------------|--|-----------------------------|--|-----------------------------|--|-----------------------------|
| <input checked="" type="checkbox"/> 01 | <input type="checkbox"/> 02 | <input checked="" type="checkbox"/> 03 | <input type="checkbox"/> 04 | <input checked="" type="checkbox"/> 05 | <input type="checkbox"/> 06 | <input checked="" type="checkbox"/> 07 | <input type="checkbox"/> 08 |
| <input checked="" type="checkbox"/> 09 | <input type="checkbox"/> 10 | <input checked="" type="checkbox"/> 11 | <input type="checkbox"/> 12 | <input checked="" type="checkbox"/> 13 | <input type="checkbox"/> 14 | <input checked="" type="checkbox"/> 15 | <input type="checkbox"/> 16 |

Select All Channels In This Page

- |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| <input checked="" type="checkbox"/> 01 | <input checked="" type="checkbox"/> 02 | <input checked="" type="checkbox"/> 03 | <input checked="" type="checkbox"/> 04 | <input checked="" type="checkbox"/> 05 | <input checked="" type="checkbox"/> 06 | <input checked="" type="checkbox"/> 07 | <input checked="" type="checkbox"/> 08 |
| <input checked="" type="checkbox"/> 09 | <input checked="" type="checkbox"/> 10 | <input checked="" type="checkbox"/> 11 | <input checked="" type="checkbox"/> 12 | <input checked="" type="checkbox"/> 13 | <input checked="" type="checkbox"/> 14 | <input checked="" type="checkbox"/> 15 | <input checked="" type="checkbox"/> 16 |
| <input type="checkbox"/> 17            | <input type="checkbox"/> 18            | <input type="checkbox"/> 19            | <input type="checkbox"/> 20            | <input type="checkbox"/> 21            | <input type="checkbox"/> 22            | <input type="checkbox"/> 23            | <input type="checkbox"/> 24            |
| <input type="checkbox"/> 25            | <input type="checkbox"/> 26            | <input type="checkbox"/> 27            | <input type="checkbox"/> 28            | <input type="checkbox"/> 29            | <input type="checkbox"/> 30            | <input type="checkbox"/> 31            | <input type="checkbox"/> 32            |

Prompt: The max bitrate for one single disk-group is 100Mbps, there might be risk of losing recorded video if actual bitrate is higher than this limit.



Apply

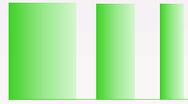
Back

# Tiandy

NVR adjustment

review





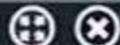
### Normal review

Playback process, the mouse at any point in the progress of the stay, change the time point of the preview screen immediately appear in front of you, up to 16 pictures can be played back.



常规回放

> 主码流 >



2017/06/29 18:44:25

channel

最大回放

最小回放

通道

- [01]channel
- [02]channel
- [03]channel
- [04]channel
- [05]channel
- [06]channel
- [07]channel
- [08]channel
- [09]channel
- [10]channel
- [11]channel
- [12]channel

< 2017 >

六月 >

日	一	二	三	四	五	六
					01	02 03
04	05	06	07	08	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



2017-06-29 18:42:21~2017-06-29 18:45:33

常规录像

报警录像

手动录像



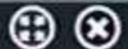
### Label play back

The video tagging function helps users to record the relevant personnel or the scene information at a certain point in time when playing back the video, so as to retrieve the recorded search positioning operation at any time afterwards.



标签回放

> 主码流 >



2017/06/29 18:44:52

channel

Channel 1

TAG

Channel 1

18点44分



回放提前 30S >

回放延时 30S >

返回

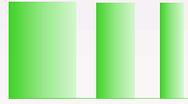


2017-06-29 18:42:21--2017-06-29 18:52:51

常规录像

报警录像

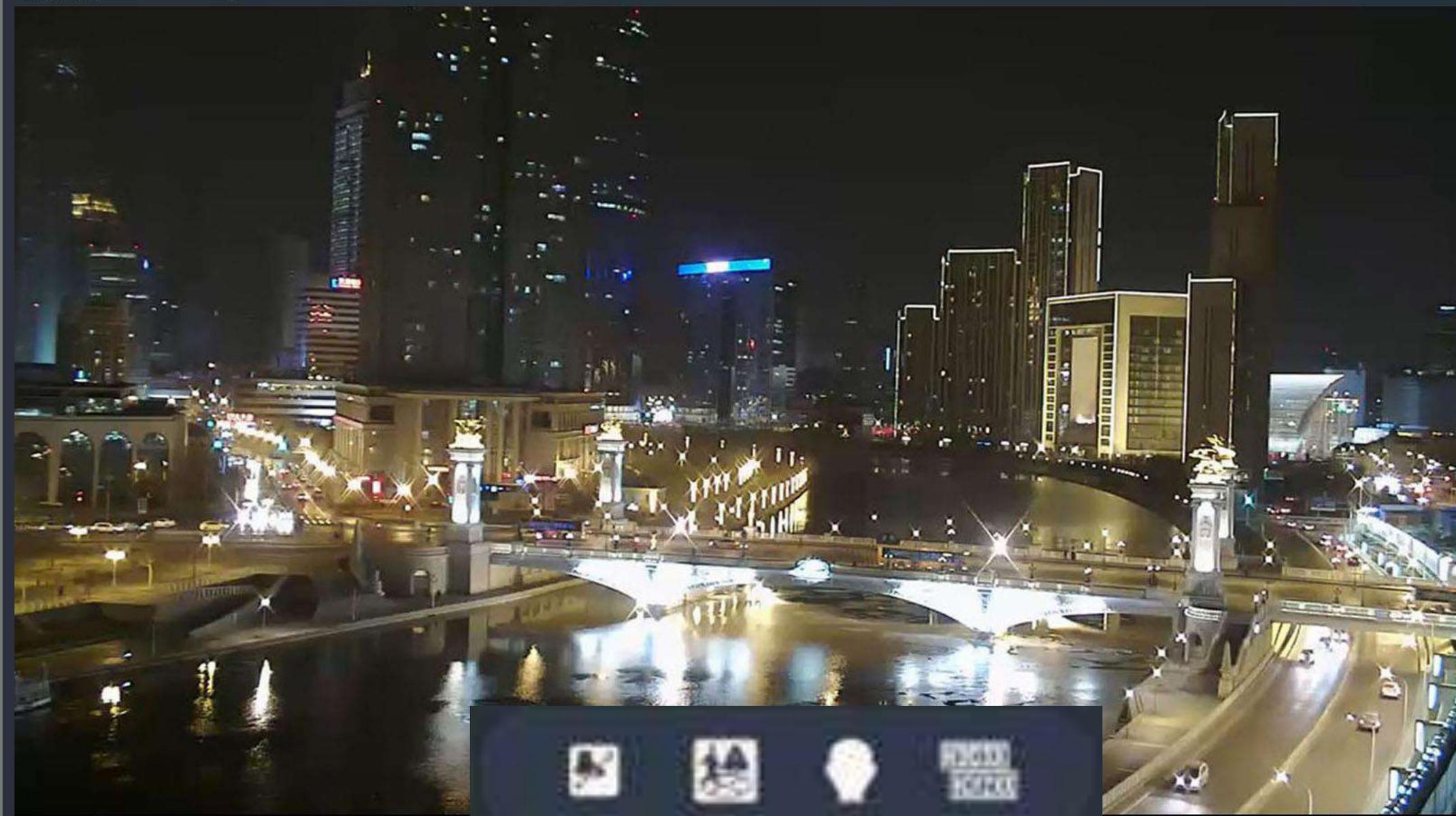
手动录像



### Smart review

1. Intelligent analysis of video files to support five intelligent analysis operations such as "Perimeter Search", "Tripwire Search", "Number Statistics", "Face Detection" and "License Plate Recognition".
2. In the playback interface, select "Intelligent Playback" in playback mode, play the video after selecting the channel and date, and then enter the smart search interface, select the search type, and play the searched video.

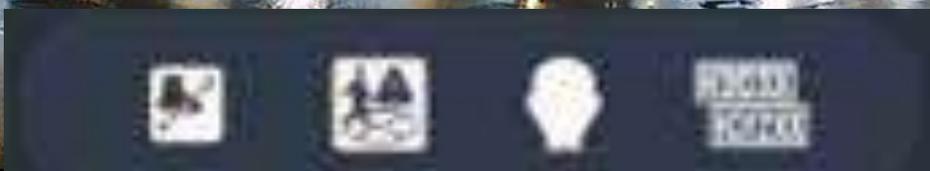




- 通道
- Channel 1
  - Channel 2
  - Channel 3
  - Channel 4
  - Channel 5
  - Channel 6
  - Channel 7
  - Channel 8
  - Channel 9
  - Channel 10
  - Channel 11
  - Channel 12
  - Channel 13
  - Channel 14

< 2015 > 十月 >

日	一	二	三	四	五	六
					01	02
					03	
04	05	06	07	08	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

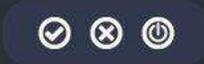


01:17:19

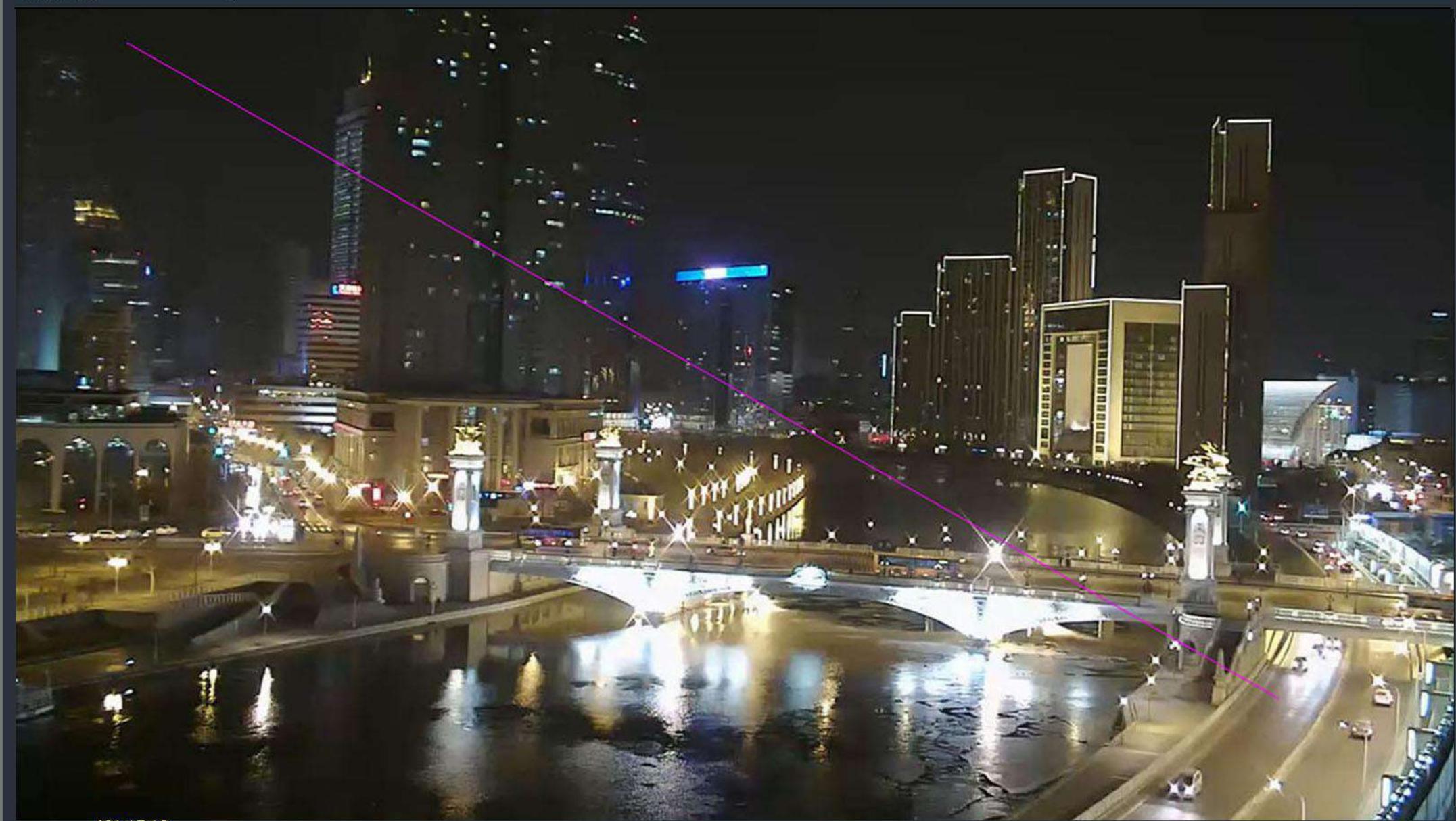


绊线搜索

2015-10-24 01:13:29--2015-10-24 16:13:47



■ 常规录像     
 ■ 报警录像     
 ■ 手动录像



- 通道
- Channel 1
  - Channel 2
  - Channel 3
  - Channel 4
  - Channel 5
  - Channel 6
  - Channel 7
  - Channel 8
  - Channel 9
  - Channel 10
  - Channel 11
  - Channel 12
  - Channel 13
  - Channel 14

< 2015 > 十月 >

日	一	二	三	四	五	六
					01	02
					03	
04	05	06	07	08	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



01:17:19

绊线搜索

2015-10-24 01:13:29--2015-10-24 16:13:47

■ 常规录像     
 ■ 报警录像     
 ■ 手动录像

# Tiandy



## NVR adjustment

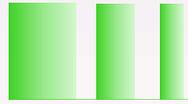
NVR Backup video file

The screenshot shows the 'Backup' configuration window in the Tiandy NVR software. The window has two tabs: 'Chart' and 'List'. The 'List' tab is active, displaying a table with columns for Channel, Start Time, Stop Time, Size, Type, Playback, and Lock. The table contains 32 rows, each with a '1' in the Channel column. A modal dialog box is open over the table, titled 'Backup'. It contains the following settings:

- Channel:** A grid of 32 checkboxes labeled 01 through 32.
- Range:** Record Files > Mainstream >
- Type:** All >
- Start Date:** 2017-11-08 (with a calendar icon showing the 12th)
- Start Time:** 00:00
- End Date:** 2017-11-08 (with a calendar icon showing the 12th)
- End Time:** 23:59
- Target:** USB1 >
- File Format:**  SDV  MP4  Video Backup Player
- Start Back-up Identification

At the bottom of the dialog are three buttons: 'Backup', 'Inquiry And ...', and 'Back'. The background interface shows a '0001/' label and a 'Total:' label.





Front audio and video parameters set

Cameras

Audio/Video Parameter ROI

Channels

Stream Setting

Video Setting

OSD

Motion

Mask Alarm

Alarm Input

Video Loss

PTZ Setting

Channel [02]Channel 1 > Schedule >  Enable Substream >

Encoding H.264 > baseline > H.264 > high profile >

Resolution (720P)1280x720 >  Corridor Mode (4CIF)704x576(PAL)/704x480(NT >

FrameRate 25 > 25 >

BitRate Type CBR > CBR >

BitRate 2048 > (32~16384Kbps) 1024 > (32~16384Kbps)

StreamType Audio/Video > Audio/Video >

More setting...

Copy To Channel All >

Copy Apply Back



# Tiandy



## NVR adjustment

Front-end video HD  
parameter settings

The screenshot displays the 'Cameras' management interface. On the left, a sidebar lists various settings: Channels, Stream Setting, Video Setting (highlighted), OSD, Motion, Mask Alarm, Alarm Input, Video Loss, and PTZ Setting. The main area is titled 'Image Set' and 'D/N Set'. It features a central video preview window. To the right of the preview, a list of video parameters is shown with adjustable sliders and dropdown menus:

- Channel: [02]Channel 1 > Video Flip
- Brightness: 100
- Contrast: 50
- Saturation: 50
- Hue: 50
- Shutter: 1/25
- Gain: 220
- WDR Policy: Disable >
- Digital Denoise: Normal Mode >
- Denoise Level: 64
- Copy To Channel: All > Copy

At the bottom left, there is a 'Format' dropdown menu set to 'PAL'. At the bottom right, there are four buttons: 'Reset To D...', 'Apply', 'Cancel', and 'Back'. A 'VIDEO' icon is located in the bottom left corner of the interface.



### OSD setting

Cameras

OSD Video Mask PTZ Privacy Mask

Channels

Stream Setting

Video Setting

OSD

Motion

Mask Alarm

Alarm Input

Video Loss

PTZ Setting

Channel [02]Channel 1

Channel Name Channel 1

Position  Color Background T

Time yyyy/mm/dd hh:mm:ss

Position  Color Background T

Week  12-Hour System

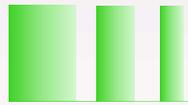
Text 1

Position  Color Background T

Font Size Self-adaptive

Copy To All

Apply Back



### Alarm setting

Cameras

- Channels
- Stream Setting
- Video Setting
- OSD
- Motion**
- Mask Alarm
- Alarm Input
- Video Loss
- PTZ Setting

Channel: [02]Channel 1

Sensitivity: 53

Enable Schedule

Activate

- Buzzer Recording
- OSD Alarm Output
- Send Email Image Attach... Email Setting
- Link Word Plan: -- Plan Setting
- Single-screen: --
- Copy To: All Copy

Delete Area

Apply Back

# User Management

Basic Configuration

Online User

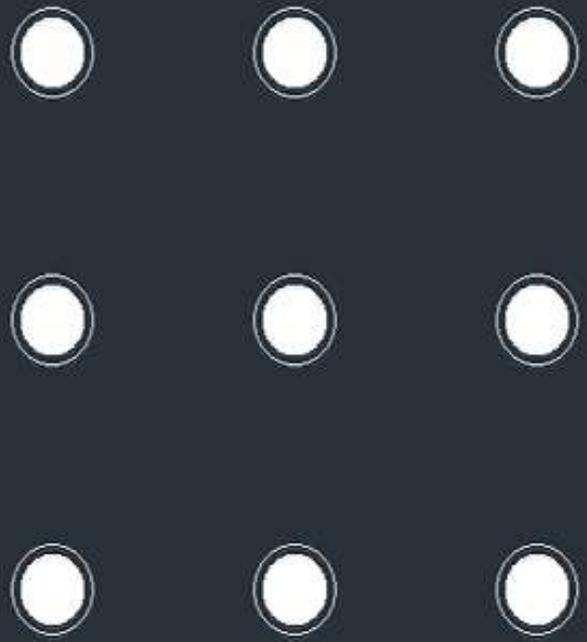
## User List

Username
Admin
Default



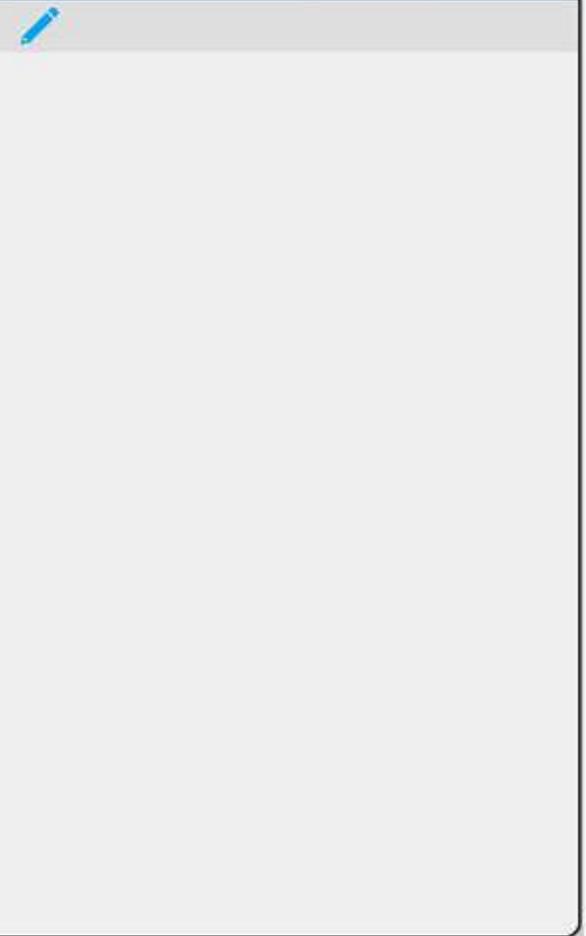
Admin

Please draw unlocked image



Cancel

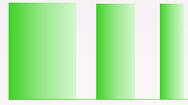
Edit Delete



Add User

Back

# Tiandy



## NVR adjustment

### NVR mobile APP

1. Connect the NVR to the public network, enter the monitoring interface of the mobile phone, download the client, and scan the QR code. Follow the prompts to perform video preview and control via the mobile phone.



# Mobile Monitoring



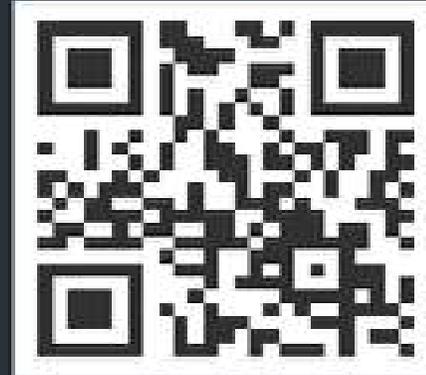
Android App



iOS App



ID



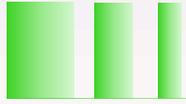
1. Please scan QR code as per your mobile phone OS to download the app.
2. Confirm device to connect internet successfully. Now the 3rd QR code will appear.
3. Scan the 3rd QR code in the installed app to add device.

Network Status

Connected

Back

# Tiandy



NVR

adjustment

## NVR web GUI Setting

1. Open a browser and enter the IP address of the NVR (default IP address: 192.168.1.3) Enter the user name, password (default username: admin, password: 1111), enter the web interface.
2. Web interface can video preview, video playback, log query, configuration operation.



Live View

Playback

Log

Configuration

10.30.10.116

[1] Channel 1

[2] Channel 1

Digital channel is disconnected !

